

ANT/QUI/01

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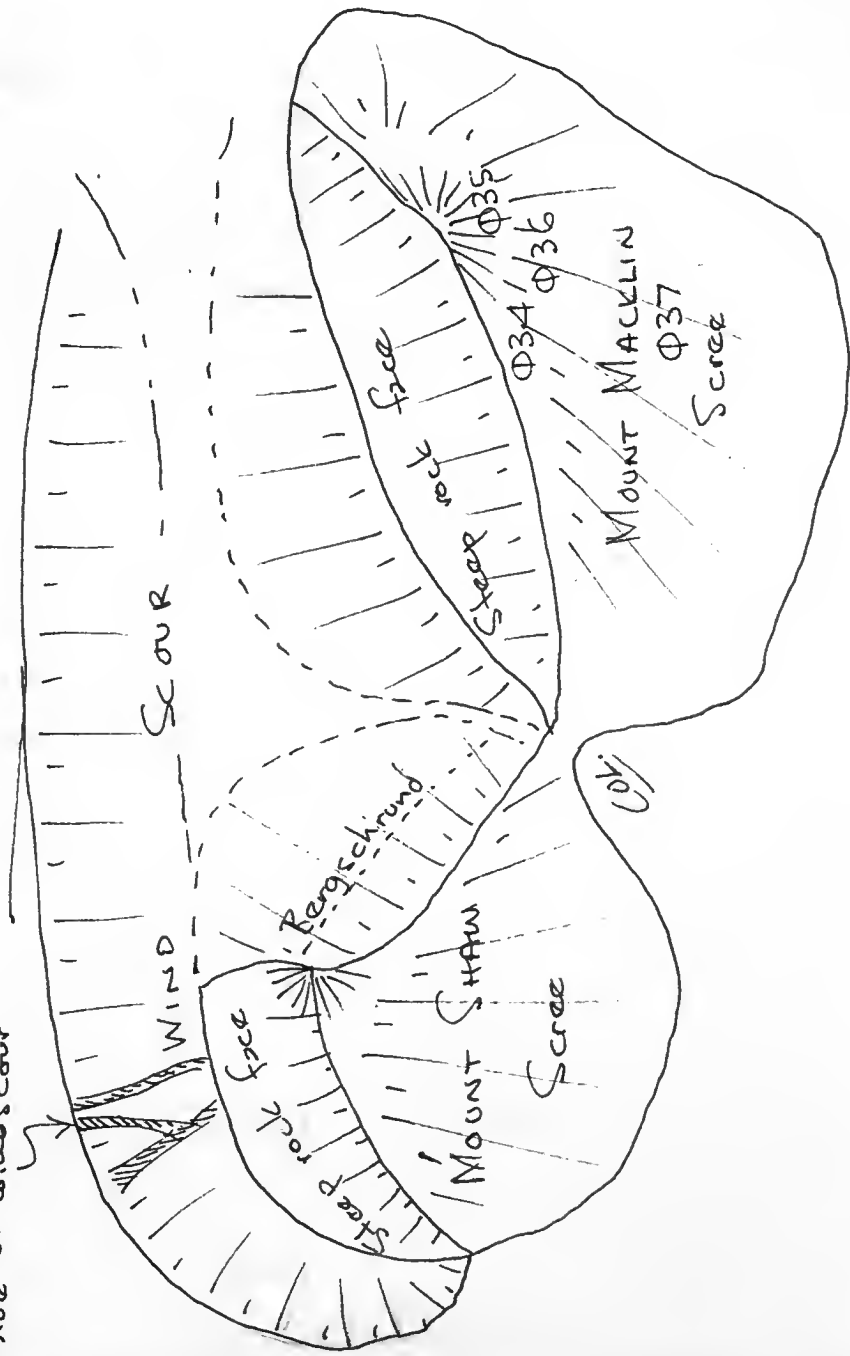
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Don McLeod

Sorry for delay. awaiting plates

J. P. Donaldson
13-6-67

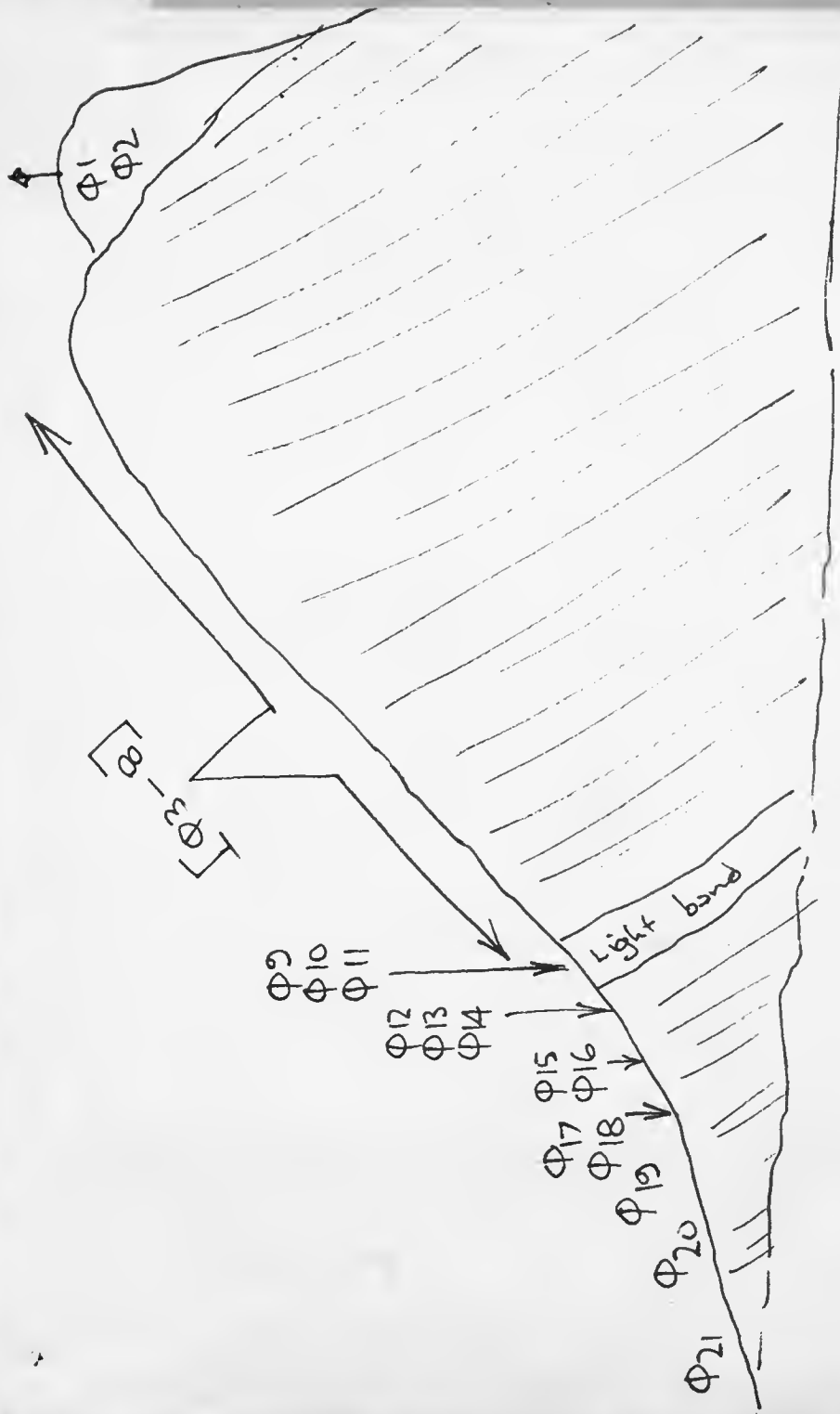
Creevasses down
side of windscour



SEE PAGE 10 FOR PHOTO

Mt. MACKLIN - Mt. SHAW OUTCROP

The southern slopes of these peaks are completely scree covered but the NNE faces show extensive and erratic intrusions of a light coloured rock often containing garnet. This type ~~is~~ as in samples $\Phi 34$, $\Phi 35$ ~~and~~ ~~the~~ The main rock is as sample $\Phi 36$ also often containing garnet. Halfway down the southern ridge from the peak is an outcrop of type $\Phi 37$



VIEW FROM NORTH-WEST

MOUNT WISHART - NORTHWESTERN EXPOSURE

The most notable feature about this outcrop is the complete lack of garnetiferous rocks excepting that in $\Phi 1$ belonging to an intruded band of light coloured rock $\Phi 1, \Phi 2$, which forms the highest isolated peak.

The main portion of the exposure east to the next large intrusion is as samples $\Phi 3$ to $\Phi 8$ being mainly as in sample $\Phi 3$, which showed little or no jointing in the plane of foliation, to as in samples $\Phi 7$ and $\Phi 8$ being closely jointed into 1" to 2" thick plates, with an occasional intrusion 2" to 3" thick as in $\Phi 4$ and variants $\Phi 5, \Phi 6$.

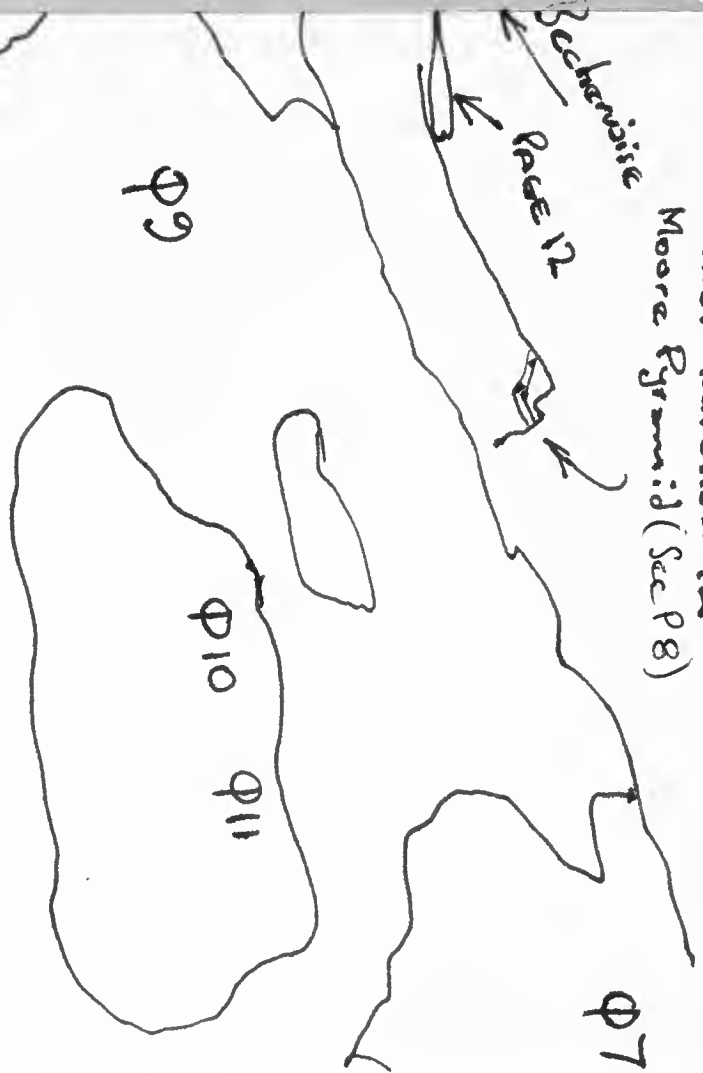
The light band of intruded rock, $\Phi 9$, contains what appear to be numerous xenoliths ranging in size from 1" diameter to 2 and 3 feet diameter, as in samples $\Phi 10$ and $\Phi 11$. The darker rock often closely resembling the adjacent rocks to the intrusion as in sample $\Phi 7$ but possibly slightly altered due to more vigorous metamorphism.

~~Sample $\Phi 11$~~ Some of these xenoliths contain older intrusions of quartz 1" to 2" thick as in photo opposite, sample $\Phi 11$ containing portions of all three.

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Mount Wister

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intrusion as in sample Φ7 but possibly slightly altered due to more vigorous metamorphism. ~~Sample Φ11~~ Some of these xenoliths contain older intrusions of quartz 1" to 2" thick as in photo opposite, sample Φ11 containing portions of all three.

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VIEW FROM NORTH-WEST

ϕ_1
 ϕ_1
 ϕ_{19}
 ϕ_{20}

 ϕ_{21}

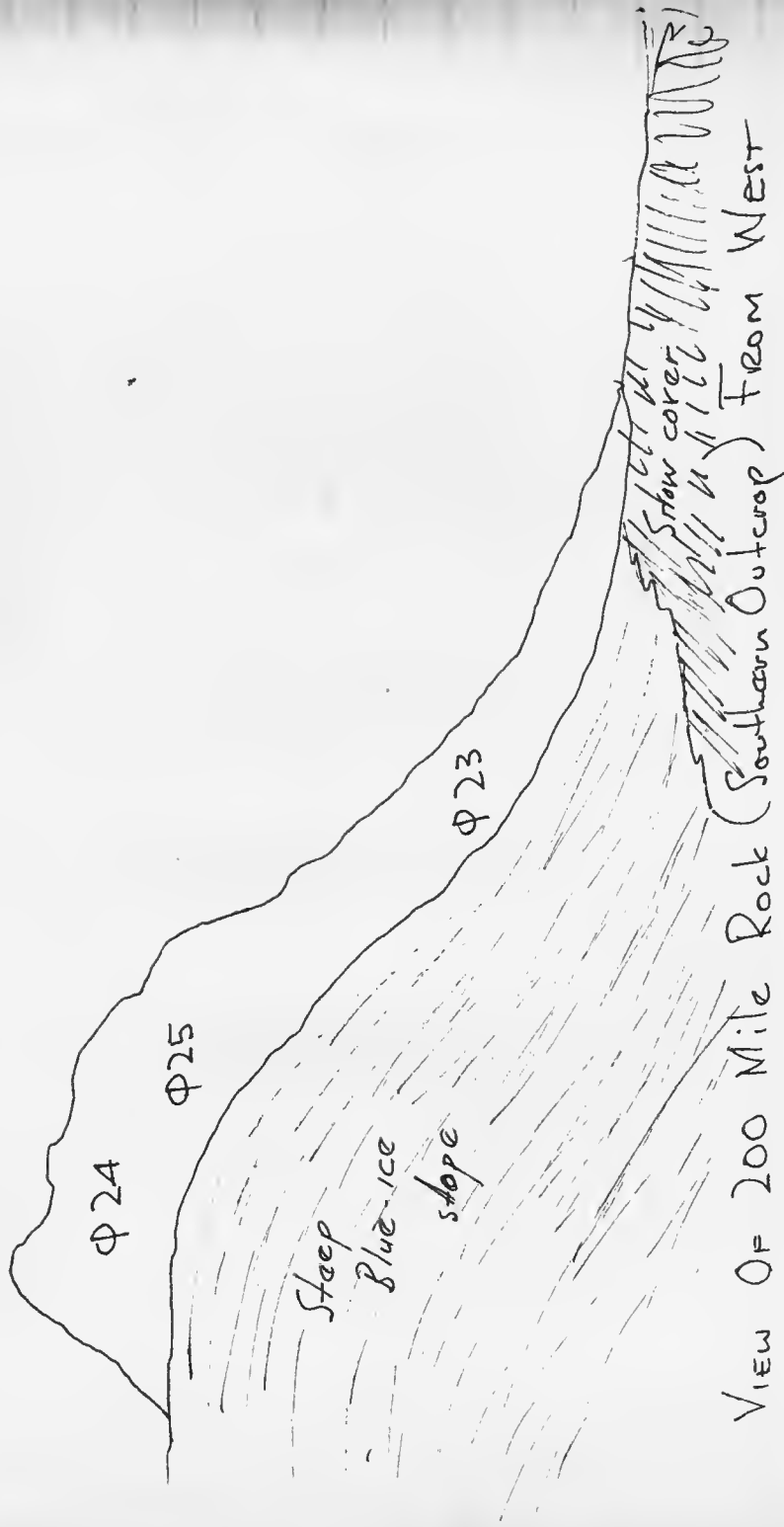
Further east of this intrusion are a number of wide bands of different types. The first is a greyish type as in samples $\Phi 12$, $\Phi 13$ and $\Phi 14$, and further east samples $\Phi 15$ and $\Phi 16$. Compare portion of sample $\Phi 15$ with sample $\Phi 22$ from Mount Lacey.

Next type is as samples $\Phi 17$ and $\Phi 18$ with another light intruded band with similar characteristics to $\Phi 9-11$.

From here eastwards the surface is mostly scree-covered but $\Phi 19$ and $\Phi 20$ form main types with isolated samples as $\Phi 21$.

The northern face of the exposure from $\Phi 3-\Phi 8$ is weathered into typical block jointed forms, forming long blocked ridges and gullies running from the ridge down to the wind scour.

The light-coloured intrusions found in this exposure seem to be common to this area being clearly seen in Moore Pyramid, Dawson Nunatak and surrounding outcrops ~~and~~
~~in fact~~ to the east of Moore Pyramid.



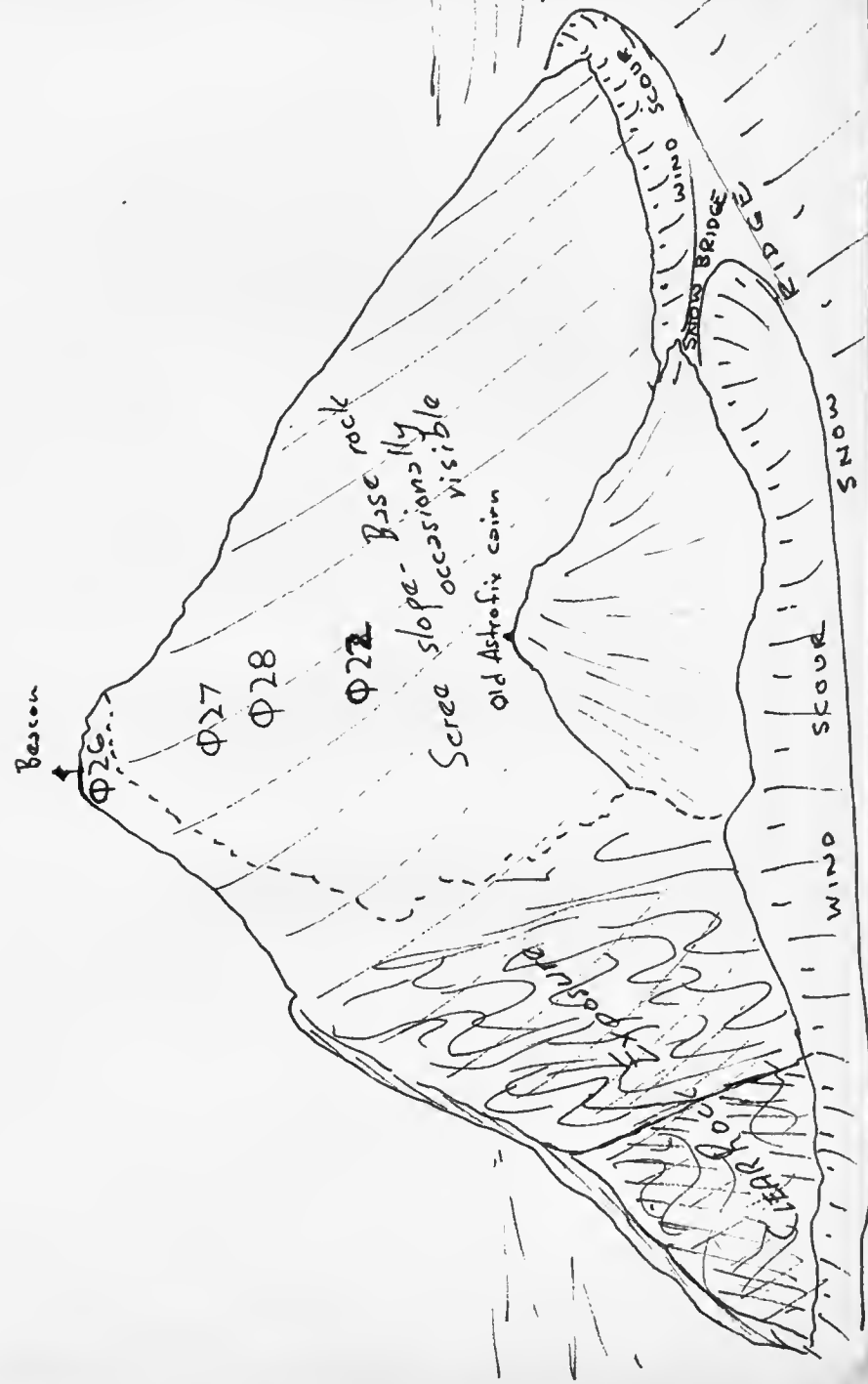
View Of 200 Mile Rock (Southern Outcrop) From West

200 Mile Rocks.

Main rock type varies between samples $\Phi 23$ and $\Phi 24$ which contain numerous veins of smooth black rock as in $\Phi 24$ usually from $\frac{1}{2}$ " to 2" thick. There are also a number of bands of type $\Phi 25$ from 2 to 4 feet thick containing twisted intrusions of lighter coloured rock as in sample. This sample exhibits similar characteristics to $\Phi 10^?$ from Mount Wishart.

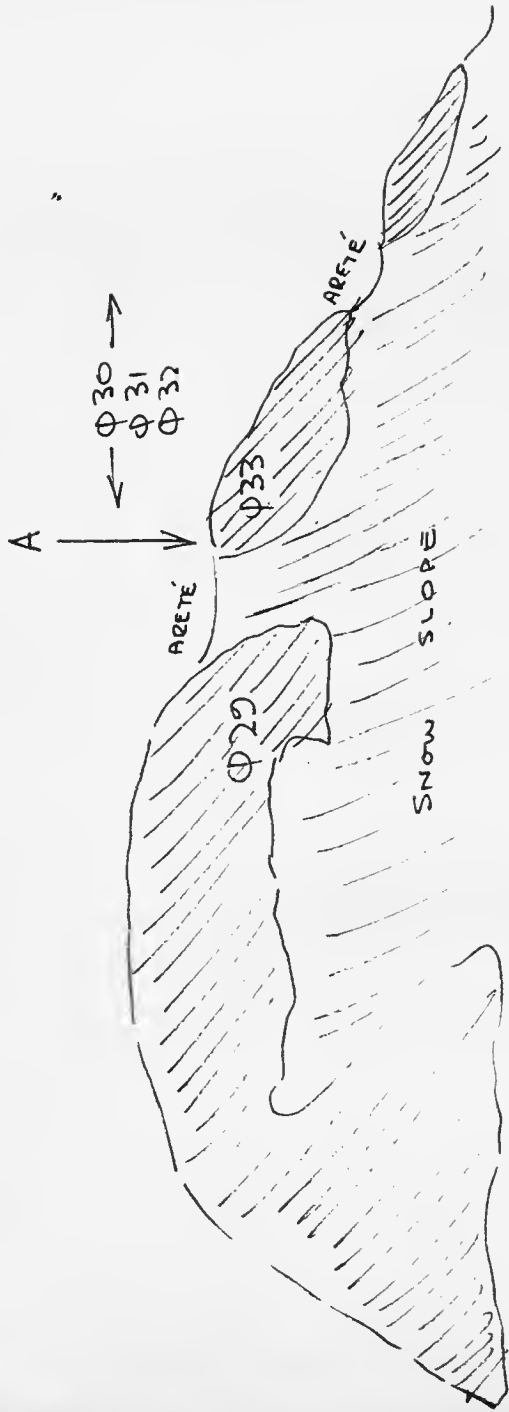
This sample exhibits similar characteristics to $\Phi 10^?$ from Mount Wishart.

MOUNT LACEY - VIEW FROM NORTHWEST



MOUNT LACEY

(LEAH ROCK) SEE PAGE 11 FOR POSITION

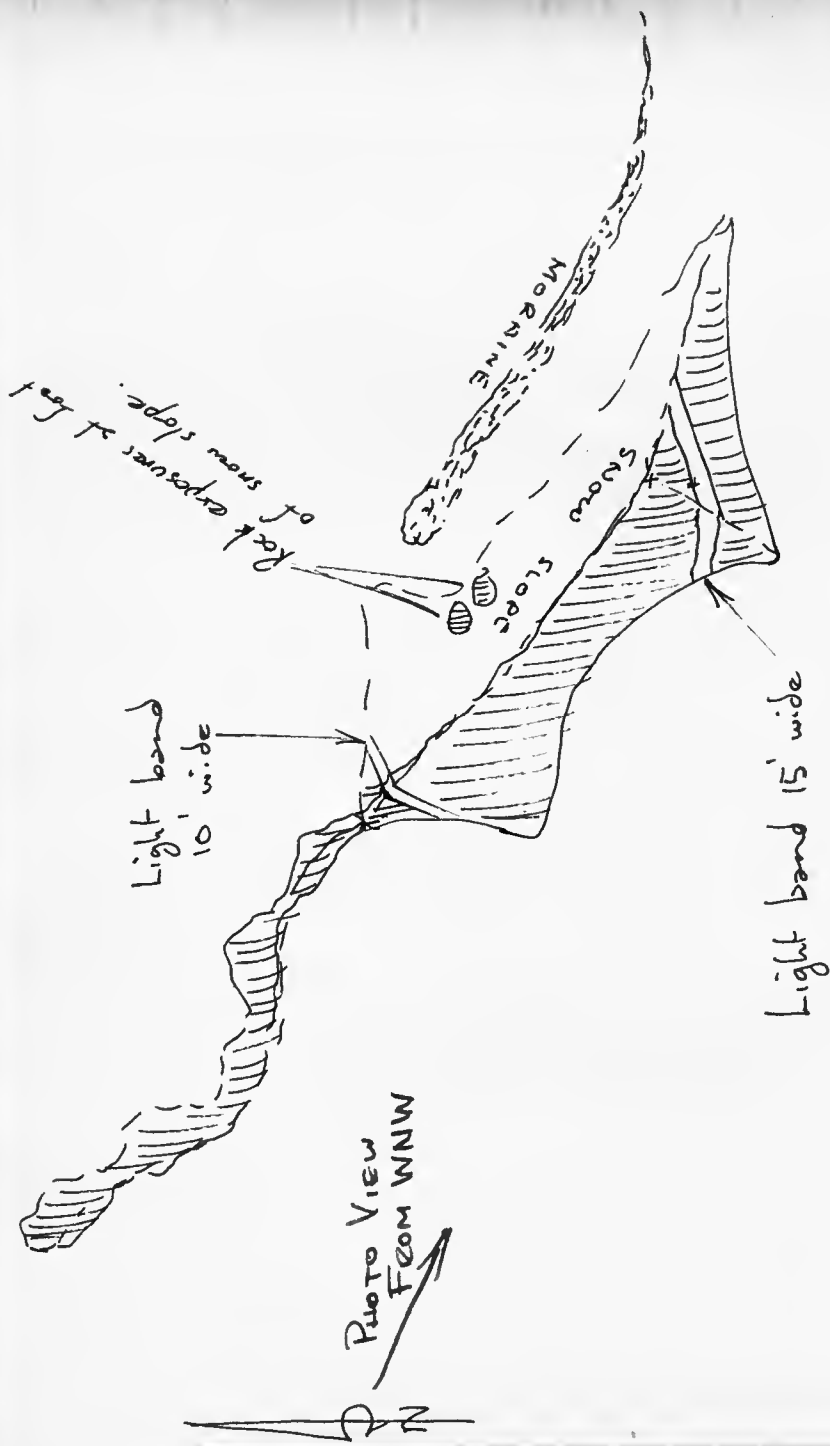


View From West

NUNATAK NORTH OF DAWSON NUNATAK

The main rock type is as sample $\Phi 29$ extending over the whole area. In the central outcrop are innumerable sills of rock type $\Phi 30$ usually 1" to 2" thick and being concordant with the foliation where evident i.e. dip 30° in direction about 170° . This type often contains small crystallizations of blue and black as in samples $\Phi 31$ and $\Phi 32$. The base rock sometimes varies as in $\Phi 33$.

At point A is a small intrusion of cream coloured rock similar to $\Phi 9$ on Mount Wishart which is also similar to a large intrusion at north end of Moore Pyramid about 10 feet thick. Unfortunately no samples obtained of either.



Light band
10' wide

Light band 15' wide

Photo View
From WNW

N

MOORE PYRAMID

The main rock type approximates that at Mount Wishart $\Phi 3$, the 10' light coloured band also being similar to $\Phi 9$. The band at the northern end only was examined but the one visible high on the southern face is probably the same. Bands of similar appearance are visible in nearly all the adjacent outcrops to the north and east ^{ie.} from Dawson Nunatak to the SE. ~~to the SE.~~

Unfortunately no samples were collected from this exposure due to an unexpected change in survey plans.

The small outcrop to the north of Moore Pyramid was also visited but again no samples obtained. Main rock the usual orange coloured type but perhaps lighter than at Moore and Wishart but with numerous bands of grey schistose type rock, fine grained.

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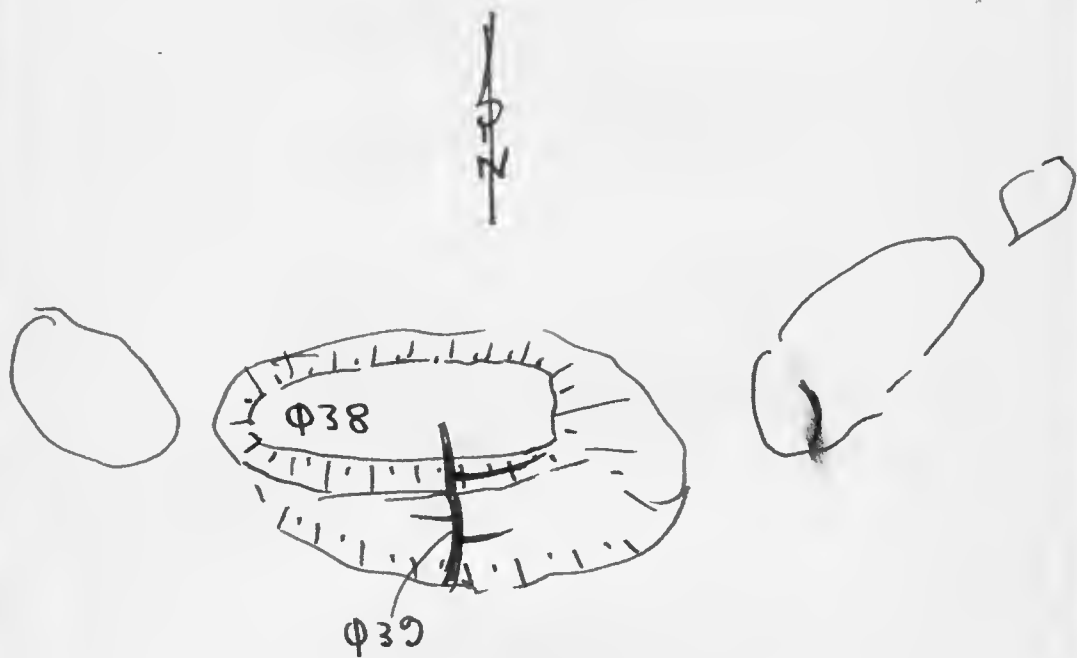
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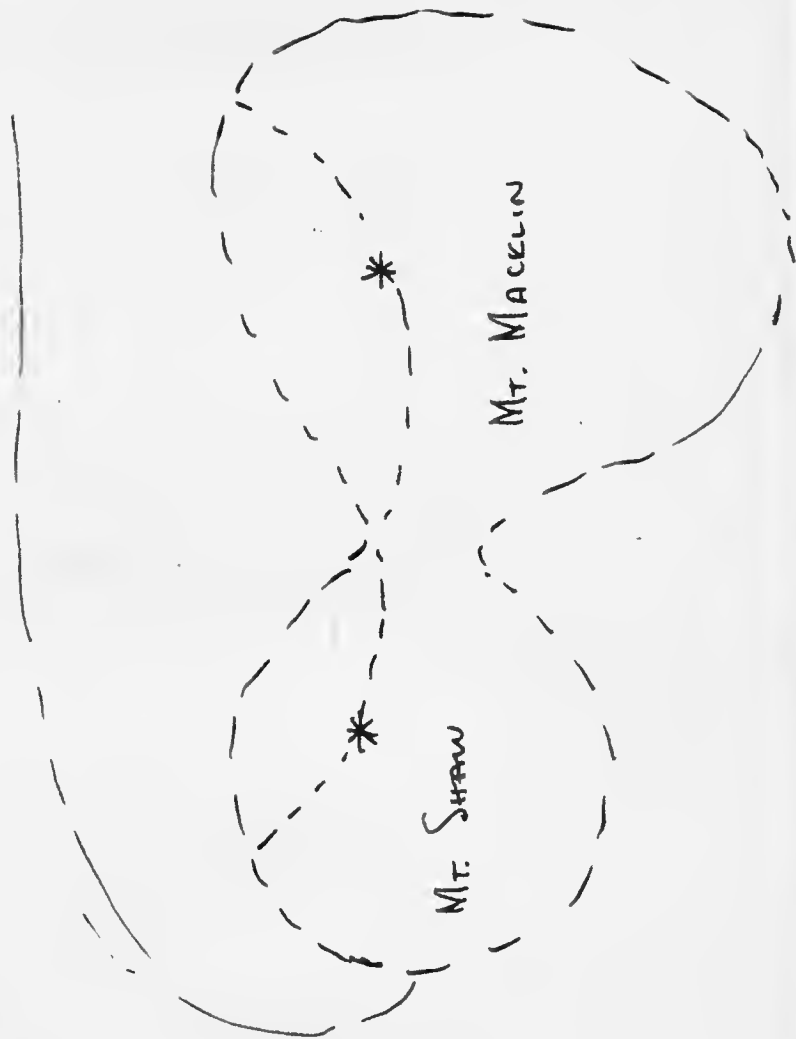
Mc Noir Nunatak

Sample $\phi 38$ Main rock type

Sample $\phi 39$ Intruded veins & sills



* PHOTO FROM
HERE



MT. SHAW

MT. MACELLIN

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1:100,000 Sheet SR 40-41/12 Crofton Massif



MT CARDELL



DAWSON NUNATAK



Photo
PAGE 12B *



*
Photo PAGE
12A

DAWSON NUNATAK FROM LEATH ROCK
MT KIRBY IN BACKGROUND





A



B
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